TOTAL SOLUTIONS™

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TOTAL SPEAKER SOLUTIONS

TSS-SAT800
Owner's Guide

TSS-SAT800 Owner's Guide

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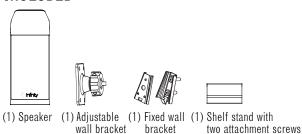
Introduction

Infinity Total Solutions™

Infinity Total Solutions continues Infinity's longstanding commitment to accurate sound reproduction. Our high-quality drivers, precision dividing networks and rigid, well-braced enclosures combine to deliver uncompromised performance in any multichannel home theater system. In addition, the TSS-SAT800 is magnetically shielded for safe placement adjacent to a television.

Included

(1) Speaker   (1) Adjustable wall bracket   (1) Fixed wall bracket   (1) Shelf stand with two attachment screws

Planning Your System

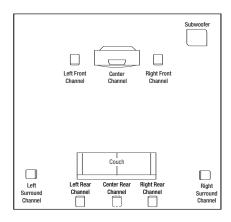Before deciding where to best place your speakers, survey your room and study Figures 1 and 2.

Figure 1. This overhead view shows a typical home theater plan. Left/right rear channels are for a 7-channel system. Center rear channel is for a 6-channel system.
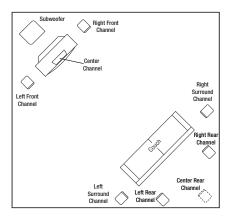

Figure 2. This figure shows an alternate layout, which may be more suitable for some rooms. Left/right rear channels are for a 7-channel system. Center rear channel is for a 6-channel system.

Placement

NOTE: The TSS-SAT800 can be placed directly on a shelf, or mounted on a wall using the included wall bracket.

As Left and Right Front Channels

For left and right front channels, place one satellite to the left and another to the right of the television, as shown in Figure 1. Since the speakers are magnetically shielded, you can place them very close to the TV without worrying about the magnetic field distorting the picture.

As Surround Channels

For left and right surround channels, place one speaker on the left and another on the right, to the side of or slightly behind the listening area. The surround speakers should be mounted at a height of between 5 ft. (1.5m) and 7 ft. (2m).

In 6- or 7-channel configurations, place the rear channel(s) behind the listening position, as shown in Figures 1 and 2.
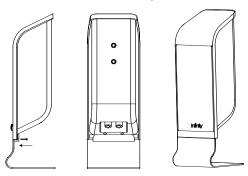
NOTE: An Infinity powered subwoofer will add impact and realism to both music and film soundtracks. Contact your Infinity dealer for recommendations on subwoofer models for your application.

Mounting on Floor Stands

An optional floor stand is available, should you prefer to place your TSS-SAT800 satellites on the floor; see your dealer or visit www.infinitysystems.com for more information.

Using the Satellite on the Shelf Stand

To attach the satellite to the shelf stand, hold the satellite on top of the stand and insert the two included screws through the rear of the stand and into the rear of the speaker.

WALL-MOUNTING THE SATELLITES

The TSS-SAT800 satellite is designed to be mounted on the wall. There is a fixed-mount wall bracket and an adjustable wall bracket provided for each satellite. Each speaker bracket will require up to four 1-1/2" #10 wood screws; each screw should be fastened to a wall stud. If a wall stud is unavailable, install an anchor appropriate for a 1-1/2" #10 screw.

NOTE: The customer is responsible for the correct selection and use of mounting hardware (available through hardware stores) that will ensure the proper and safe wall-mounting of the speakers.
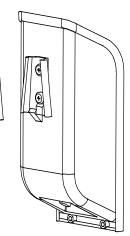
Fixed-Mount Wall Bracket

Step 1. Mark the positions on the wall where you would like to place the mounting screws.

Step 2. Attach the back plate of the bracket to the wall using three screws (not included).

Step 3. Attach the front plate (with the spring tab) of the bracket to the satellite using the two provided screws.

Step 4. Slide the speaker with the attached bracket front plate onto the back plate of the bracket until the tab locks into place.
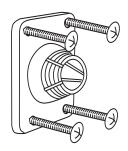
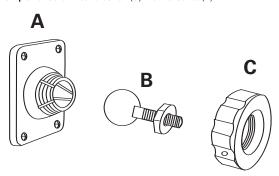To remove the speaker from the wall, simply push in the locking tab and slide the speaker up.

Adjustable Wall Bracket

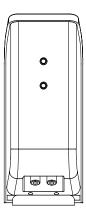**Step 1.** Mark the positions on the wall where you would like to place the mounting screws.

Step 2. Place the bracket against the wall and fasten four 1-1/2" #10 wood screws through the bracket's screw holes into the wall. If a wall stud is not available, use an appropriate anchor.

Step 3. Unscrew round collar (C) from bracket (A).

Step 4. Screw the ball and shaft assembly (B) to the lower 1/4"-20 insert on the rear of the satellite. Back out 1/2 of a turn and tighten the nut against the speaker.

Step 5. Attach the speaker wire as shown on page 6.

Step 6. Drop round collar (C) over ball and shaft assembly (B) that is mounted to the speaker with the finished side of the collar facing the rear of the speaker.

Step 7. Carefully push the ball straight into the socket mounted on the wall, angle the speaker as desired and tighten the collar using the enclosed metal bar.
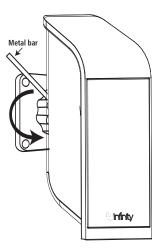

Metal bar

Figure 3. Bracket on wall.

Connections

After placing the speakers, you are ready to connect your system. First, turn off all audio-system power. Use high-quality speaker wire to make your connections; #18-gauge speaker wire with polarity coding is recommended. For longer distances, #16-gauge or heavier wire is recommended. The side of the wire with a ridge or other coding is usually considered positive polarity (i.e., +). Also, consult the owner's manuals that were included with your amplifier or receiver to confirm connection procedures. Observe polarities when making speaker connections, as shown in Figure 4. Connect each + terminal on the back of the amplifier or receiver to the respective + (red) terminal on each speaker. Connect the – (black) terminals in the same way.

Important!

Do not reverse polarities (i.e., + to –, or – to +) when making connections. Doing so will cause poor imaging and diminished bass response. Be certain that positive and negative wire strands are completely isolated to avoid short circuits that may damage your equipment.
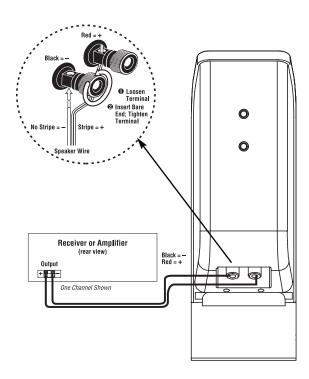

Figure 4. Wiring diagram shows polarity connections for one channel of a home theater system.

Maintenance and Service

The TSS-SAT800 enclosure may be cleaned using a soft cloth to remove fingerprints or to wipe off dust.

All wiring connections should be inspected and cleaned or remade periodically. The frequency of maintenance depends on the metals involved in the connections, atmospheric conditions and other factors, but once per year is the minimum.

If a problem occurs, make sure that all connections are properly made and clean. If a problem exists in one loudspeaker, reverse the connection wires to the left and right system. If the problem remains in the same speaker, then the fault is with the loudspeaker. If the problem appears in the opposite speaker, the cause is in another component or cable. In the event that your TSS-SAT800 ever needs service, contact your local Infinity dealer or distributor, or visit www.infinitysystems.com for a service center near you.

SPECIFICATIONS

TSS-SAT800

Frequency Range:	120Hz – 30,000Hz (±3dB)
Recommended Amplifier Power Range:	10 – 100 Watts
Sensitivity: (2.83V @ 1 meter)	88dB
Nominal Impedance:	8Ω
Crossover Frequency:	3.5kHz; 12dB/octave
Midrange Driver(s):	3-1/2" (64mm) MMD® magnetically shielded
High-Frequency Driver:	3/4" (19mm) MMD magnetically shielded
Dimensions (H x W x D):	9-1/8" x 3-3/4" x 2-3/4" (232mm x 95mm x 70mm)
Weight:	2.5 lb (1.1kg)

Infinity continually strives to update and improve existing products, as well as create new ones. The specifications and construction details in this and related Infinity publications are therefore subject to change without notice.

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